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## "Svetlana" Plant Making INDUCTION-HEATING GENERATORS

"Tube" (induction-heaving) generators with powers from several to bundreds of kilowatts are necessary in industrial practice for induction-heating purposes. High-frequency units with powers from 30 to 100 kilowatts are most often used. The first induction-heating generators (Types G-5, G-6 and G-7), series-produced at the "Swetlane" Plant since 1938 had powers of 30, 60, and 100 kilowatts, respectively.

The use of induction-heating generators with air cooling of the anode instead of water cocling is recommended in dielectric heating installations. Such tubes with radiators in the anode are produced by the "Svetlana" Plant. This construction makes it possible to produce high-frequency units for dielectric heating which are not connected with a water-cooling system, and simplifies their utilization in a munter of cases, particularly for portable units moving through a shop, for example, from one press in which speed heating takes place, to another.

The sectional induction-heating generator Type RC-500, with power of 500 kilo-watts, is manufactured by the "Svetlana" Flant. One advantage of sectional generators is their practically unlimited length of service since, when the cathode burns out after 1,500 - 2,000 operating hours, replacement of burnt out tungsten wires may be accomplished in a few hours directly at the plant which is using the tube.

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